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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/883,837	06/18/2001	Stephen B. Maguire	40526.04501	9967

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EXAMINER

RINEHART, KENNETH

ART UNIT	PAPER NUMBER
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3749

DATE MAILED: 10/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/883,837

Applicant(s)

MAGUIRE, STEPHEN B.

Examiner

Kenneth B Rinehart

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) 1-4, 6, 10, 19-22 and 25 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 18, 23, 24 and 26-42 is/are allowed.
- 6) ☒ Claim(s) 5, 7-9 and 11-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 9/21, 27/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION***Election/Restrictions***

Applicant's election with traverse of Group 3 in the reply filed on 1/20/04 is acknowledged. The traversal is on the ground(s) developed in the response dated 1/20/04. This is not found persuasive because of the reasons stated in the rejection dated 3/10/04.

The requirement is still deemed proper and is therefore made FINAL.

Claims 1-4, 6, 10, 19-25 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 1/20/04.

This application contains claims 1-4, 6, 10, 19-25 drawn to an invention nonelected with traverse in Paper No. 1/20/04. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 5, 7 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by 4300060. 4300060 shows a tubular housing having inlet and outlet ends with material heating and drying zones positioned therebetween (2, 9, fig. 1); means for supplying

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granular or powdery material to be dried to said heating zone via said inlet end (3, fig. 1), means for heating material in said heating zone of said housing' (5, fig. 1), means for selectably sealing material in said drying zone from said heating zone and permitting material travel from said heating zone to said drying zone (30, fig. 1, fig. 2), means for drawing vacuum over material in said drying zone (10, fig. 1), means for evacuating dried material from said drying zone for molding or extrusion (19, fig. 1, the apparatus is presently capable of performing this function), a first material processing chamber (7, fig. 1); a second material processing chamber (9, fig. 1); manifold means, connected to said first and second processing chambers for selectably furnishing material to be dried to one of said first and second processing chambers (17, fig. 1); means for heating material within said first and second processing chambers (5, fig. 1); means for drawing vacuum over material in a selected one of said first and second processing chambers having had material heated therein (11, fig. 1); and means for evacuating material from a selected one of said chambers having dried material therein (19, fig. 1) said manifold means furnishes material to a selected one of said first and second chambers most recently having had dried material evacuated therefrom (17, fig. 1).

Claims 7 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Webb et al. Webb et al shows a first material processing chamber (64, fig. 2); a second material processing chamber (to right of 64, fig. 2); manifold means, connected to said first and second processing chambers for selectably furnishing material to be dried to one of said first and second processing chambers (66, fig. 2); means for heating material within said first and second processing chambers (col. 8, lines 61-63); means for drawing vacuum over material in a selected one of said first and second processing chambers having had

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material heated therein (col. 8, lines 56-61, fig. 2); and means for evacuating material from a selected one of said chambers having dried material therein (78, fig. 2) said manifold means furnishes material to a selected one of said first and second chambers most recently having had dried material evacuated therefrom (fig. 2), said manifold means furnishes material to a said selected one of said first and second chambers which most recently had dried material evacuated therefrom (fig. 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over 4300060. 4300060 discloses a first material processing chamber (7, fig. 1); a second material processing chamber (9, fig. 1); manifold means, connected to said first and second processing chambers for selectably furnishing material to be dried to one of said first and second processing chambers (17, fig. 1); means for heating material within said first and second processing chambers (5, fig. 1); means for drawing vacuum over material in a selected one of said first and second processing chambers having had material heated therein (11, fig. 1); and means for evacuating material from a selected one of said chambers having dried material therein (19, fig. 1). 4300060 discloses applicant's invention substantially as claimed with the exception of separate means for heating material in said first and second processing chambers. At the time the invention was made, it would have been an obvious matter of design choice to a person of ordinary skill in the art to have separate

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heating means because Applicant has not disclosed that the number of heating means provides an advantage, is used for a particular purpose, or solves a stated problem. One of ordinary skill in the art, furthermore, would have expected Applicant's invention to perform equally well with either the heating means of 4300060 or the claimed heating means because both quantities of heating means perform the same function of heating equally well.

Claim 11-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over 43000600 in view of Wood et al. 4300060 discloses a plurality of canisters rotatable about a common vertical axis serially among material heating, vacuum drying and inventory positions (fig. 2); means for rotating said canisters about said axis among said heating, vacuum drying and inventory positions (26, fig. 2), means for heating contents of a canister at said heating position (5, fig. 1), means for drawing vacuum within a canister at said vacuum drying position (11, fig. 1). 4300060 discloses applicant's invention substantially as claimed with the exception of said canisters including axially moveable valve means for selectably permitting downward flow of dried granular or powdery material out of a canister at said inventory position, said valve reciprocates, said valve moves along the axis of said canister, said valve moves in a range of motion having one extreme within said canister and remaining extreme outside said canister, said valve moves responsively to motion of an axial rod within said canister, a pneumatic piston cylinder means for actuating said valve. Wood et al teaches said canisters including axially moveable valve means for selectably permitting downward flow of dried granular or powdery material out of a canister at said inventory position (23, fig. 1), said valve

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reciprocates (fig. 1, fig. 2), said valve moves along the axis of said canister, said valve moves in a range of motion having one extreme within said canister and remaining extreme outside said canister (fig. 1, fig. 2), said valve moves responsively to motion of an axial rod within said canister (24, fig. 1), a pneumatic piston cylinder means for actuating said valve (30, fig. 1) for the purpose of forming a tight seal. It would have been obvious to one of ordinary skill in the art to modify 4300060 by including said canisters including axially moveable valve means for selectably permitting downward flow of dried granular or powdery material out of a canister at said inventory position, said valve moves along the axis of said canister, said valve moves in a range of motion having one extreme within said canister and remaining extreme outside said canister, said valve moves responsively to motion of an axial rod within said canister, a pneumatic piston cylinder means for actuating said valve said valve reciprocates as taught by Wood et al for the purpose of forming a tight seal so that material is not inadvertently released.

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over 4300060 in view of Raker. 4300060 discloses a frame (fig. 1), a plurality of canisters carried by said frame ... and moveable among at least material heating and vacuum drying positions (fig. 1), canisters (fig. 1). 4300060 discloses applicant's invention substantially as claimed with the exception of a cabinet supported by said frame and including an access door... within said cabinet, means for sensing when said door is open and responsively thereto disabling said canisters form movement. Raker teaches a cabinet supported by said frame and including an access door... within said cabinet, means for sensing when said door is open and responsively thereto disabling said ... form movement (12, 14, 16, fig. 1) for the purpose of ensuring operator safety. It would have been obvious to one of

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ordinary skill in the art to modify 4300060 by including a cabinet supported by said frame and including an access door... within said cabinet, means for sensing when said door is open and responsively thereto disabling said ... form movement as taught by 4300060 for the purpose of ensuring operator safety to prevent injury and improve productivity.

Allowable Subject Matter

Claims 18, 23, 24, 26-42 are allowed.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth B Rinehart whose telephone number is 703-308-1722. The examiner can normally be reached on 7:30 -4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ira Lazarus can be reached on 703-308-1935. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KBR


KENNETH RINEHART
PRIMARY EXAMINER